



Tender Document

For

**Supply, Execution and Labor Job For
Up gradation, Modification, Installation,
Testing and Commissioning of automation
part for existing 60 TPD Powder plant
(Banas Dairy, Palanpur)**

Ref No. BNS/PROJ/PALANPUR/60-TPD/2022



BANASKANTHA DISTRICT CO-OP. MILK PRODUCERS' UNION LTD.
BANAS DAIRY, PB NO 20, PALANPUR –385001, DIST: BANASKANTHA,
GUJARAT, PHONE: 253881-85.FAX: 02742-252723

TENDER NOTICE

Date: 12.09.2022

Banaskantha District Co-operative Milk Producers' Union Limitedd invites sealed bids from reputed eligible contractors for the following material for Supply, Execution and Labor Job for Up gradation, Modification, Installation, Testing and Commissioning of automation part for existing 60 TPD Powder plant at Palanpur. Dist- Banaskantha (Gujarat)

Sr. No	Tender Reference	Name of work	Tender fee & EMD	Delivery Time
1	BNS/PROJ/PALANPUR/60-TPD/ 2022	Supply, Execution and Labour Job For Up gradation, Modification, Installation, Testing and Commissioning of automation part for existing 60 TPD	Rs.2000=00 & Rs. 2.0 Lakhs	04 months

Start of Sale of the tender : 12.09.2022 from 11.00 Hrs
Last date for sale of tender : 27.09.2022 up to 14.30 Hrs
Pre bid meeting for tender : 01.10.2022 at 11.00 Hrs
Last date & time of submitting of Tender : 05.10.2022 up to 14.00 Hrs
Date of opening of tender : 05.10.2022 at 15.00 Hrs at Banas Dairy

Tender can be purchased from the office of General Manager (P&E) during period mentioned above. The details of eligibility criteria and procedure to purchase tender document is available on our website www.banasdairy.coop. Banas Dairy does not bind itself to accept the lowest bid. Banas dairy reserves the right to award the job either part or full. Banas dairy at its sole discretion and without assigning any reason thereof, also reserves the right accept any/or reject any or all bids

I/C MANAGING DIRECTOR

Index

Table of Contents

Index.....	3
Preface	4
Instructions for Submitting Tender Bid.....	6
Eligibility Criteria	9
General Terms and conditions for Bid	10
Annexure-1: Tender Enquiry Data Sheet	15
Annexure-2: Commercial Bid Format	Error! Bookmark not defined.
Annexure- 3: EMD Details.....	16
Annexure- 4: Summary of Orders Executed	17
Annexure- 5: Technical Specifications	18
Annexure-6: Deviation Form.....	32
Annexure-7: Format for Performance Bank Guarantee	Error! Bookmark not defined.
Annexure-8: Vendor Registration Form(Data on Firm)	41

Preface

Banaskantha District Co-operative Milk Producers' Union Ltd., Palanpur (popularly known as Banas Dairy) is one of largest Milk Producers' Union in Asia and is engaged in business of processing of milk and manufacturing of Milk products through its state of the art Manufacturing Facilities at various locations across several states.

Banaskantha District Co-Op. Milk Producers' Union Ltd., Palanpur invites tender bids for the Supply of **Supply, Execution and Labor Job for Up gradation, Modification, Installation, Testing and Commissioning of automation part for existing 60 TPD.**

Important Points:

- For detailed understanding of our requirement, bidder may visit Banas Dairy, Palanpur or may contact Project Department.

Important Dates:

Sr. No.	Events	Date
1	Document Download Start Date	12.09.2022
2	Document Sale End Date	27.09.2022
3	Last Date for seeking clarification	30.09.2022
4	Pre - Bid Meeting (11.00 HRS)	01.10.2022
5	Last Date For Submission of Bid (up to 14.00 HRS)	05.10.2022
6	Opening of Bids (at 15.00HRS)	05.10.2022

Details pertaining to Site Visit:

- **CONTACT PERSON:**

Shri Samir Mehta - 94294 07294

Shri Amul Patel - 99980 07874

Address for Pre - Bid Meeting:

Project Department,
Banas II Plant Building,
Banas Dairy, Post Box – 20,
Palanpur – 385001.

Correspondence details for Bid Submission and all other communications:

Project Department,
Banas II Plant Building,
Banas Dairy, Post Box – 20,
Palanpur – 385001
Email: samir@banasdairy.coop, amul.patel@banasdairy.coop
Landline: 02742 – 253881 to 85 (Ext: 455 / 374)

Instructions for Submitting Tender Bid

1. Tender bid can be sent by post/courier or submitted by hand at our office by time as specified in tender notice. Tenders received late will be rejected.
2. Bid can be submitted by hand or by post/ courier. For bids submitted by post or Courier, it is bidder's responsibility that bid reaches our office on or before the scheduled time and date.
3. Tender bid should be sent in duly sealed cover, super-scribed with **"Tender for Supply, Execution and Labor Job for Up gradation, Modification, Installation, Testing and Commissioning of automation part for existing 60 TPD by due date 05-10-2022"**. All the pages of Tender document should be signed and enclosed with the tender bid, as a token of acceptance of all terms and conditions as mentioned in the tender document.
4. All bids shall be opened in the presence of intending parties/ their authorized representative who will be present at the time of bid opening.
5. In case tender opening date is declared a Holiday, bids shall be opened on next working day at the same time specified above.
6. Any certificate/document not found enclosed with the tender document as required for fulfilling the eligibility criteria of bid may lead to declaring the party as non-eligible and in this event their bid may not be considered and may be out rightly rejected. Bidder has to complete all the Annexures and submit along with this Tender Document signed.
7. Tender form shall be filled up legibly preferably typed giving full name and address of the tenderer, over writing, alterations/additions etc. will disqualify the tender unless such overwriting, alterations/additions are attested and signed by bidder. Conditional/ telegraphic/ fax/ E-mail tenders shall be rejected.
8. The bidder shall have to enclose following documents along with Tender bid:
 - a. List of all the purchase orders duly indicating the name of client, his address, type & quantity of material and the date of Supply & Installation/execution during the last 36 months along with at least two performance certificate (or frequent order execution with same supplier) along with copy of the purchase orders executed in the last two years in same firm name and style.

- b. Any document (such as excise/sales tax document) issued by Govt. or Semi Govt. Department which certifies/proves that the bidder is in business for the required period should be attached along with the Tender Bid.
- c. The bidder shall be registered with the office of competent authority or under statutory bodies at the time of bid opening in the same name and style. In order to support this bidder shall submit any of the following documents:

A copy of the Registration Certificate issued by the Registrar of Companies in case of firms of proprietary nature.

OR

Copy of partnership deed in case of partnership firm

OR

Copy of article of association in case of Pvt. Ltd. Companies

OR

Copy of registration certificate for firms registered with NSIC/Central or State Govt. Department/ Local bodies for similar work

OR

Bidder shall enclose/mention the PAN and TAN number of the firm and to support this, he/she shall submit a photocopy of PAN/TAN certificate

OR

Bidder's firm shall be registered with Sales Tax Department. VAT/CST numbers shall be mentioned by the bidder and in support of this; he/she shall submit a photocopy of Sales Tax registration certificate duly renewed by the competent authority

- 9. Submitted documents shall be numbered and attached serially indicating serial number. Total number of pages enclosed shall be shown in the index.
- 10. ISO certified company may be preferred to others. A copy of valid license/ certificate should be attached with Tender Document.
- 11. Tender shall be accompanied with Tender Fees (Non-refundable) of Rs. 2,000/- + GST and EMD (Earnest Money Deposit) of Rs. 2,00,000/-. Tender fee and EMD should be in form of Demand Draft in favor of **Banaskantha District Co-operative Milk Producers' Union**

Limited, payable at Palanpur. Tender bids without Tender Fees or EMD will automatically be rejected.

12. EMD of successful bidders shall be retained as security deposits without any interest till supplies are complete against the Supply Orders issued under this Contract. (i.e. Contract Period Completion)
13. Earnest money of unsuccessful bidder shall be returned after within 60 days from the finalizing of contracts, without any interest on it.
14. Validity of offers should be 120 days from the date of Bid Opening.
15. Rate shall be finalized based on the lowest offer strictly complying with specifications.
16. Parties who have been suppliers of our union or any milk union in the past also have to comply with all these conditions. No relaxation whatsoever shall be given to them.
17. Any offer received after due date or times shall be straightway rejected.
18. We reserve the right to accept or reject any quotation, to reject quotations for some or all items and to cancel the entire bidding process at any point of time without assigning any reason.
19. If any dispute or differences arises at any time between the two parties in respect of or concerning anything contained or arising out of contract shall be referred to sole arbitrator (i.e. our I/c Managing Director). The decision of the arbitrator shall be final and binding on both the parties.
20. Canvassing in any form will lead to disqualification of the bid.
21. For all legal matters and disputes, Palanpur court shall be the Jurisdiction.

Seen and accepted
Signature of party with office stamp

Eligibility Criteria

Offers only from the authorized agency /authorized sister concern agency of Schneider Electric.

Note: Authorized Agency / authorized sister concern agency of Schneider Electric has to submit authorization certification from Original Equipment Manufacturer (or Nomination Letter from OEM that on behalf of OEM, his particular distributor only will quote against this tender).

The Authorized Agency / authorized sister concern agency shall have minimum experience of 5 Yrs. in the same field.

General Terms and conditions for Bid

1. Offers should be strictly according to our specification and scope of work, failing which it may not be considered. Item to be supplied has to be strictly as per Annexure for Technical Specifications.
2. The officers of our Union shall be allowed to inspect the works and/or any document referred to in the tender. If it is found that the declarations made by the bidder in Bid are false/misleading/faulty, the bidder shall be disqualified and the earnest money deposit submitted shall be forfeited.
3. Comprehensive Warranty/ guarantee (including repairs and replacement) for all items/ goods supplied shall be as detailed and mentioned in technical specifications and scope of work.

This Comprehensive warranty/guarantee shall remain valid till warranty period mentioned in technical specification after the Goods have been delivered at site, installed and the system successfully tested, commissioned and accepted by the Purchaser.

Any complaint during this warrantee/guarantee shall be attended to within 24 hours by the bidder at no cost. Upon receipt of such notice or complain, the Supplier shall, with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser. If the Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

The bidder warrants that the goods and equipment, supplied, installed and commissioned under the Contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The supplier further warrants that the goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except insofar as the design or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions obtaining in the country of final destination.

The Supplier also guarantees that the Goods supplied shall perform satisfactorily as per the designed/ rated/ installed capacity as provided for in the Contract.

The Supplier shall guarantee the complete installation for satisfactory performance for a minimum period mentioned in technical specifications from the date of commissioning. Any defect arising out of faulty installation or use of substandard material or workmanship shall be rectified by the Supplier at his own cost.

Product trials and performance guarantee

After satisfactory completion of the commissioning, the plant shall be operated at full capacity to establish plant performance on capacity, quality and consumption. The entire plant shall be operated at rated capacity for 60 days of continuous operation. If shut down occurs due to external force majeure reasons after 16 hours of operation in any day this shall be considered as a full day of testing. If at less than 16 hours of operation the trials shall be continued for an additional full day.

Performance guarantees: performance and service consumption guarantees and the relevant penalties for not meeting the rates capacities and efficiencies.

This warranty/guarantee shall remain valid for 12 months after the Goods have been delivered at site, installed and the plant successfully tested, commissioned and accepted by the purchaser.

SERVICE COVER.

The Indian representative of the Supplier visit for 2 days once in two months after satisfaction handover of project for one year. These visits shall cover meetings, training, equipment adjustment and servicing. These visits shall not cover warranted work, which shall be undertaken separately from service cover.

The objectives of service cover visits are intended to ensure that the efficiency of the plant is maintained at an optimum level and to help improve operating and maintenance procedures.

To keep the plant properly maintained as per OEM`s recommendation by OEM / Supplier service engineers.

Adjusts for optimum energy efficiency, optimum product quality and minimum product losses as establish during performance trails.

To arrange for service visits by specialists to inspect service and carry out repairs.

To provide hands on training on maintenance by the specialist to the client team.

Please Note:

- Initial acceptance of goods is not the final acceptance of quality.
- In case materials are found substandard at our Stores, on receipt of the same Banas Dairy reserves the right to reject the material out rightly. Labor Charges, if any will also be recovered from the bidder. Banas Dairy reserves the right to send your material for testing at any laboratory of our choice and in case the result is found unsatisfactory, it also reserves the right to take any action as deemed fit.

4. Inspection and Tests: The Purchaser or its representative shall have the right to inspect

and/or test the Goods to confirm their conformity to the Contract. The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery and/or at the Good's final destination.

Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject them and the Supplier shall either replace the rejected Goods or make all alternations necessary to meet specification requirements free of cost to the Purchaser.

The Purchaser's right to inspect, test, and where necessary, reject the Goods after the Goods arrival at the destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to Goods shipment.

5. Risk Purchase: In case of delayed supplies, purchase from alternate source, may be completed at the risk, cost and responsibility of the supplier after expiry of scheduled date without any notice. Extra amount spent on Risk Purchase shall be adjusted against the earnest money/pending payments or same shall be recovered from your firm.

We will reserve the right to effect risk purchase/execution of the work in case of non-fulfillment of any of various terms and conditions of the contract by the supplier at his risk & cost.

6. Import license and foreign exchange variation: No import license shall be provided by the BANAS DAIRY for goods offered against this bid. Necessary clearances/licenses from the concerned Authorities for any imported goods/items offered shall be obtained by the bidder at his cost & responsibility.

Non-availability of or delay in obtaining license/ clearance shall not, under any circumstances, entitle the bidder to seek any compensation/relaxation under the contract and/or relieve the bidder from any of his obligations under the contract. Foreign Exchange, Duties etc. variation, if any, shall also be to the account of the bidder and no price escalation will be given.

7. Maintaining ethical standards in business: It is highly necessary for the suppliers to ensure that business ethics are maintained at the highest degree with Our Union. In no case we will be able to tolerate any unethical practice by the supplier by way of offering either cash or in kind or compensation in any form either to get the rejected material accepted or to get higher volume of the business than the approved quantity.

By any chance if it comes to our notice that you or any of your employee/representative/Agent has tried to initiate such unfair business practices with any of our employee or any of the employee/decision maker of our Union even with/without any documentary evidences, the same shall be considered as a cancellation of P.O. and we reserve our right to terminate/suspend the P.O. and the contract during any time without assigning any reason thereof.

8. Insurance: The goods supplied under the contract shall be fully insured against loss or damage incidental to manufacturer or acquisition, transportation, storage and delivery in the manner specified in the special conditions of contract. If any loss or damage occurs during supply of goods under contract, the supplier shall make arrangement for repair and replacement of any damaged, item/s in stipulated time.
9. Performance Security: Successful bidder shall be required to furnish a performance security in form of Bank Guarantee of 10% Value of the executed order valid for entire warranty period from the date of commissioning.

Bank Guarantee should be issued from any Nationalized Bank having at least one branch at Palanpur.

10. For delay in Supply, Installation & Commissioning of goods, a late penalty @ 0.5% per week shall be deducted subject to a maximum of 5% of the contract price. On further delays order shall be liable to be cancelled. However, our Managing Director can waive off such penalty depending upon the reasons for delay.
11. Delivery of Goods: Material shall be delivered at the destination as specified in the Supply Order on any working days (except Sundays & holidays)
12. Payment for design and supply component:
 - a. 15% advance on supply value shall be payable against Bank Guarantee of equivalent amount valid till schedule date of delivery/ actual delivery of materials. PBG of 10% shall also be submitted along with ABG for release of advance payment.
 - b. 75% of each billed amount within 30 days of safe receipt of the material at destination / site after inspection and approval / acceptance by the purchaser.
 - c. 10% of the contract price of the goods on FINAL ACCEPTANCE of plant on completion of other contracted services and accepted by the purchaser' s representatives within the scope of this contract AGAINST PERFORMANCE

13. Payment for installation, testing and commissioning Component:

- a) On progress of work: 80% of the contract price for installation and commissioning shall be paid on prorata basis on actual completion of installation/erection and billed for and after due inspection and approval by the purchaser (against detailed break up cost to be furnished by the Supplier in advance and accepted by the Purchaser).
- b) On commissioning: 10% of the contract price for installation and commissioning shall be paid on actual completion of commissioning and billed for and after due inspection and approval by the purchaser (against detailed break up cost to be furnished by the Supplier in advance and accepted by the Purchaser)

- c) On final acceptance: The balance 10% of the contract price shall be paid on FINAL ACCEPTANCE of plant on completion of other contracted services and accepted by the purchaser's representative within the scope of this contract.
14. Validity: Validity of this contract would be till all the supplies are completed to the utmost satisfaction of Banas Dairy.
15. Other Commercial Terms and Conditions:
- a. Invoices will be raised in the name of Banas Dairy.
 - b. Supplier will be required to submit two copies of invoices
 - c. All the taxes will be charged in Invoice
 - d. In case of any change in tax rate, the same shall be applicable as per statutory norms
16. Force Majeure: If any Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
17. EMS certified supplied would be preferable.
18. Purchaser's Instructions: The Purchaser may in his absolute discretion, issue from time to time drawings and/or instructions, directions and clarifications which are collectively referred to as Purchaser's instructions. These instructions will be binding on the supplier.
19. Approvals: The Supplier shall obtain all the necessary legal approvals.
20. Jurisdiction: Settlement of any dispute out of the Supply Order/contract against this bid shall be subject to the courts at Palanpur only.
21. Data on firm: Please send data on your firm and information in the enclosed Annexure. The tender bid received without above information or within correct information may not be considered.

Annexure-1: Tender Enquiry Data Sheet

The following specific data for this Tender Enquiry shall complement, supplement, or amend the provisions in the Invitation in Tender and Instructions to Bidders. Whenever there is a conflict, the provisions herein shall prevail over those in the ITB.

Name of the Purchaser: Banaskantha District Co-operative Milk Producers' Union Ltd., Palanpur
Description of Goods: Supply, Execution and Labor Job For Up gradation, Modification, Installation, Testing and Commissioning of automation part for existing 60 TPD, Palanpur, Banaskantha
Purchaser's Address: PB NO:20, Palanpur-385001, Banaskantha, Gujarat, India
Submission of Queries on T/E Document: Not later than– 30-09-2022 till 15:00 hours, to the following e-mail: samir@banasdairy.coop , amul.patel@banasdairy.coop ,
Pre- Bid Meeting: on Date 01.10.2022 at 11.00AM (Banas Dairy, Palanpur)
Bid Validity: Validity of bid shall be no less than 120 days from the date of submission
Required number of copies of the Tender: Two (Original plus one photocopy and clearly mention ORIGINAL& COPY on photocopy).
The address for Tender submission: Project Department, Banaskantha District Co-operative Milk Producers' Union Limited PB NO 20 , Palanpur : 385001, Dist : Banaskantha
Due date (Deadline) for Bid submission: 05.10.2022 UP TO 14.00 HRS
Opening of Quotation: 05.10.2022 UP TO 15.00 HRS

Annexure- 3: EMD Details

1. Earnest Money Deposit Details (Rs.2,00,000/-)

Details of Bank draft:

No. _____

Dated _____ Drawn On (Name of Bank) _____

EMD Amount Rs. _____

(Rupees in words

(_____)

I/we have read the instructions carefully and accordingly submitting the tender as per the terms and conditions as given in the tender notice for Supply of Plastic Pallets.

Date:

Signature of the Party

With office stamp

Design Basis & Technical Specification

5.1 Design Basis

POINTS THAT SUPPLIER SHOULD BEAR IN MIND

- ✓ Whomsoever will get this order has to give process guarantee for complete powder quality.
- ✓ BANAS wants to upgrade F60 logic as per new powder plant concept or migrate old logic.
- ✓ Still logic is working on LL 984 in unity, there are some block like MSTR which have created big problem in past so supplier has to take guarantee for converting these MSTR blocks in such manner that process/communication does not affects the logic. .
- ✓ BANAS will not provide any FDS for the plant; Vendor has to work independently for upgrading the system based on new powder plant concept without compromising in quality, safety interlocks, Fire systems etc.
- ✓ Vendor has to do complete electrical contracting in field from JB's to System which will cover supply of cables and its contracting. BANAS will not going to look field job, complete ownership will be in Vendor scope for IO testing at field side and ASI communication with all existing valves.
- ✓ SCADA servers supplied by the supplier should be redundantly communicate with existing MIS Systems which is been provided by 3rd party customized software.
- ✓ If supplier deviations from the document terms and other requirements may be rejected.
- ✓ Noncompliance with even a minor technical requirement should be specifically stated by the suppliers.
- ✓ Supplier should submit the schedule and drawing of execution.
- ✓ Supplier submits enclosures, drawings and technical literature in English only.
- ✓ All equipment, system and components should be designed to perform as per specification in this document.
- ✓ Supplier has to capable for coordination with Schneider Electric OEM for the support of OEM representative at site whenever required for the involvement during the execution on site.
- ✓ The work shall be carried out as approved by the Purchaser or his authorized representative/s from time to time, keeping in view the overall schedule of completion the project. The Supplier's job schedule must not disturb or interfere with Purchaser's other Suppliers' or Contractors' schedules of day-to-day work. The Purchaser will provide all reasonable assistance for carrying out the jobs.

- ✓ It is the responsibility of supplier to ensure that all the electronic equipment & control systems are fully protected against hostile environment, humidity, heat and dust that will be encountered during storage & installation
- ✓ The Purchaser shall not be liable for or in respect of any damages or compensation payable at law in respect or in consequence of any accident or injury to any workman or other person in the employment of the Supplier or any sub-Supplier, save and except an accident or injury resulting from any act or default of the Purchaser, his agents, or servants. The Supplier shall indemnify and keep indemnified the Purchaser against all such damages and compensation, save and except as aforesaid and against all claims, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto.
- ✓ The Supplier shall, at his own expense, provide all the necessary equipment, tools and tackles, haulage power, consumables necessary for effective execution and completion of the works during erection and commissioning.
- ✓ For all damage due to negligence the Supplier shall be responsible to replace/repair at his own cost.
- ✓ All cable routes shall be carefully measured and cable cut to the required lengths so that wastage of cables to be avoided.
- ✓ **After the all automation system, SCADAs with the RIO/RCP ready and tested, the shutdown for the migration of the field I/O to the new RCP/RIO panel should be decided and it should be given by the Banas according to the milk load situations and condition of the plant, so supplier should be agree and keep installation testing and commissioning ready in prior and take the whole automation system inline when the shutdown should given.**

5.2 Existing Installed Base

The existing control system for 60 TPD Powder Plant is with Schneider Modicon Quantum Controller platform and L&T I/O drops communicating with the controller on S908 protocol @ 1.544 Mbps. There are total 6 I/O drops and total 14 I/O racks to cover Evaporation section, Spray Dryer section and Conveying / Packaging section of the powder plant.

The existing Quantum controller is running with the old firmware which supports S908 architecture and MSTR instructions. However, its firmware can be upgraded to the latest firmware to support the latest Ethernet IO architecture.

The existing L&T IO drops and I/O modules are obsolete and there is no support available for spares and services for these modules. Hence, it is mandatory to upgrade this I/O drops to the latest Ethernet IO drops and modules to run and maintain the plant for next 15 years.

5.3 Action plan

Action plan 01

The first phase,

New CPU with the migrated / updated program will be run the plant and old CPU shall be works for only quantum IO scanner (Io mapping). OS pcs and ES station shall be prepared and put ready with new upgraded versions. Also in the field the RCPs with all automation accessories shall be installed and communicate with the New CPU. At this phase there shall be no connection of the field IO with these RCPs and stabilize the system with the old quantum IO with mapping. All third party communication should be taken in the new CPU and made healthy in this phase. The field wiring should not be disturbed in the first phase

The second phase,

RCP's input output modules shall be connected one by one in online by taking small shutdown or connected and on line and replacing from the existing IO mapping in OLD quantum PLC with new RCPs IO connection with existing interlocks remains unchanged with existing plant functioning requirements. Also face plate in the SCADA for the input/output should be developed for the simulation purpose, and simulation is possible only in the supervisory password. Logic which are written in the SCADA ci-code should be remove from the SCADA and this logic is implemented in the in the main new PLC. One no of Powder conveying system from the shifter to the powder conveying silo which currently running independently, which program is written in CPU of Rockwell SLC 5/03. The logic of these CPU should be written and to be incorporate in the new main plant CPU, so we should remove this Rockwell CPU configuration. No of IOs, wiring of these IOs and logic program of these Rockwell panel should also be considered in the upgraded system. In current installation valves are on hard wired so ASI interface should also consider for the Valves, So ASI Gateway of sufficient quantity should be considered in the scope. ASI control module for the valves which are required is in the scope of Banas. ASI scanner and program modification for conversion from hard wired should be consider in the supplier scope.

The reason for splitting it in 2 phases is to reduce the shutdown time and stabilize the system in small steps.

The existing Discrete Input module is of source type and Discrete Output module is of sink type, supplier should visit to verify existing installed base.

OR

5.4 Action plant 02

Supplier should prepare complete new logic with the all interlocks that insure safety of the plant and product quality. SCADA screens will be with latest future. Before going to the change of the field wiring system FAT with the Banas should be complete. All Remote panels and main PLC panel should be install and checked the I/O before the going for the field wiring modification. Software fat according the logic of the plant should be finished first before the going for implementation and execution. All program with new logic should be work efficiently, should not be effect on the product quality.

6.0 New System must have following Features

The proposed IO platform shall be Modicon X80 I/O series which serves as common platform for Modicon M340, Modicon Quantum Ethernet I/O, Modicon M580 PACs and future Modicon Mx80 controllers. This ensures that the proposed I/O platform will remain compatible for next 10 years.

- 6.1 A common configuration tool is used for all PAC modules using latest version of Control Expert with a high level of services such as bit forcing, structured device DDT, etc. This platform offers a wide choice between several Schneider Electric I/O modules (discrete, analog, expert, communication).
- 6.2 All the I/O modules are hot swappable.
- 6.3 Depending on the model, the Modicon X80 modules respect the following standards: >>Marine standards: ABS, BV, GL, RMRS, DNV, RINA, LR and PRS compliant >>International standards: CE, UL/CSA, RCM, EAC and IEC61850-3 compliant.
- 6.4 The proposed Ethernet based RIO/RCP architecture will provide ring topology to give communication link redundancy.
- 6.5 Due to Ethernet, it will provide transparent access via web view of RIO/RCP in NOE/NOC web pages. This provides powerful diagnostics of the system without loading the communication processor.
- 6.6 The Remote Ethernet Head processor and Remote Ethernet Adaptor has Service port which allows access for local HMI, Unity software.
- 6.7 The communication between SCADA and Quantum NOE/NOC module will be on OPC which will increase the bandwidth by 12 times than the Modbus TCP protocol.
- 6.8 System should be well capable to communicate with approximate about 35 nos of VFD installed in the MCC in the future. **The communication module should be considered for these as a future requirement.** Hardwired for these drive should be considered for the controlling these VFDs.
- 6.9 Upgraded SCADA system has full functionality with respect to equipment face plates for the auto/manual, simulation, set point for range, on/off delay etc.
- 6.10 SCADA ci-code should be removed from SCADA stations and these logic should be written In the CPU.
- 6.11 **CPU with rack will be redundant with all communication modules and power supply.**
- 6.12 Remote I/O panel should be in ring topology of the Ethernet communication.
- 6.13 **Remote I/O panel should have the redundant power supply and redundant communication link with the main PLC CPU.**
- 6.14 Main PLC and Remote I/O panels shall be as per the specification which are mentioned in this document.
- 6.15 SCADA should have line animation and object animation in line with operation of the plant.
- 6.16 SCADA server should communicate with the existing MIS station in redundant manner for the data storage In the MIS.
- 6.17 SCADA system shall have the facility for historical trends, real-time trend, audit trail report (Storing capacity up to 9 month), system architecture screen with diagnostic future.
- 6.18 **Response time of SCADA screen update shall be less than 1 sec.**
- 6.19 SCADA servers should be redundantly connected with the existing MIS PC for the Data storage.

7.0: Scope of Supplier

- 7.1** Installation of the SCADA software, Client, ES-OS, Redundant server with genuine licenses as per the BOM and this licences details should be handed over to Banas for the future requirement of the recovery.
- 7.2** Installation of the Engineering software in ES-OS station with the genuine licenses.
- 7.3** SCADA screen should be updates/new developed with the graphics and resolutions.
- 7.4** SCADA has facility for the historical and real time trend, Audit trail report, Alarm etc.
- 7.5** SCADA screen should be update/new develop with the animation according to the functionality of the equipment with all aspect like feeder ready, on, off, trip etc.
- 7.6** Line animation will be developed as per the existing SCADA screens.
- 7.7** Equipment face plates provided in the SCADA with full functionality like, simulation, Auto/manual command, T.on / T.off time, set points, PID etc. Supplier shall submit the face plate of each of the equipment to the purchaser for approval before the implement.
- 7.8** Ci-codes and logics which are written in the SCADA station should be removed and this should be incorporate with the main CPU logic for the functioning.
- 7.9** One no of existing Rockwell PLC SLC 5/03 for the powder conveying should be removed and these logic of the PLC should be written the main program of this PLC in the Main CPU. Supplier should understand these PLC logics and implement incorporate logic in the new CPU. The I/O of these CPU should be connected in the new RCP/RIO panels input output modules.
- 7.10** Existing PLC logic conversion/up gradation to latest version and testing.
- 7.11** IO mapping in the existing/spare CPU for the execution of the first phase. (Optional if go with action plan1)
- 7.12** Wiring of field instruments from the JB's to the Remote IO panel and IO testing.
- 7.13** All type of cable laying, cable dressing, cable tray work, remote IO panel and for main PLC panel installation used for up gradation.
- 7.14** Instrument wiring which are comes directly from the field to the PLC in existing system should be re routine in the appropriate remote IO panel.
- 7.15** Installation, commissioning and testing of the Main PLC panel, remote IO panels and AS-I panels.
- 7.16** Ethernet Cable dressing, cable laying and routing for the Main PLC panel to the remote IO panel for the ring.

- 7.17** Establishment of the AS-I network for the existing valves for all functionality for the process.
- 7.18** Hard wired valves interface should be converted in to AS-I interface with the program and interlocks.
- 7.19** Existing system have RTD mux modules to sense the temperature sensing for the different plant location, Panel mount temperature transmitter and analogue input should be consider in the scope this transmitter should be mount in the existing RTD JB of the plant for the respective area.
- 7.20** Logic should be developing which shall be required for the functionality of the equipment face plate.
- 7.21** One analogue output (for reference) and one analogue input (for current feedback), one digital input for ready/healthy, and one digital output for start will be considered for the VFDs control from SCADA.
- 7.22** **Third party communication with the Banas II LMP and 100 TPD plant. Changes which shall required at the third party PLC for these communications should be in the scope of the supplier.**
- 7.23** Automation architecture shall be design as per the architecture provided by the Banas if any further requirement for the modification supplier should be prior to approve the deviation from the purchaser.
- 7.24** Supplier has to supply, testing, erection and commissioning the equipment (Main PLC panel, RIO/RCPs, ASI panel etc. as per the specification and BOM.
- 7.25** SCADA servers supplied by the supplier should be redundantly communicate with existing MIS Systems which is been provided by 3rd party customized software.

8.0 Technical Specifications

8.1 Main PLC panel (1Nos.)

Type	Floor standing, access from front, Double door, Glass view.
MAKE	RITTAL/ REPUTED
PANEL SIZE	2000mm + 100 mm(H) x 600mm (D), x 800mm (W), IP 54
ENCLOSURE	MOC: MS(CRCA) Panel PAINT SHADE: RAL -7035, ENCLOSURE FRAME: PS 4000, DOOR THK: 2.0 mm TOP COVER: 2.0 mm REAR AND SIDE COVER: 2.0 mm REAR ACCESS: NA CABLE ENTRY: FROM TOP GLAND PLATE SIZE: 400mm(H) X 600 mm (W)REMOVABLE GLAND PLATE CUTOUT SIZE: 350 mm (H) X 550 mm (W) GLAND PLATE THK: 2.5 mm COMPONENT MOUNTING PLATE: GALVANISED/ZINC COATED MOUNTING PLATE SIZE: 1896 (H) X 699 (W) MOUNTING PLATE THK: 3.0 mm DRAWING POCKET: YES (INSIDE THE FRONT DOOR)
Accessories	Panel light LED (Philips) , Panel fan & Filter(Jainson/Rexnord) , door switch(Siemens) ,
Earth Bus bar	Tinned Copper Size 30mm x,10mm with 2 nos M10 Bolts with 6mm tapped holes (40% extra), Earthing stud to be provided inside panel door and body.
Panel Lock	Three point lock

8.2 Remote IO panel (8 Nos.)

Type	Wall Mount, access from front, Double door,
PANEL SIZE	1200mm (H) x 1000mm (W) x 400mm (D), IP 54
MAKE	RITTAL/ REPUTED
Enclosures	MOC: SS 304 PAINT SHADE INSIDE: NA PAINT SHADE OUTSIDE: NA BODY SHEET THK.: 2mm DOOR THK.: 2mm REAR ACCESS : NA CABLE ENTRY: FROM BOTTOM COMPONENT MOUNTING PLATE: GALVANISED/ZINC COATED MOUNTING PLATE THK: 2.0 mm DRAWING POCKET: YES (INSIDE THE FRONT DOOR) GLAND PALTE THK: 2mm ACCESS : FRONT
Accessories	Panel light LED (Philips) , Panel fan & Filter (Jainson/Rexnord), door switch(Siemens),
Earthing	Earthing stud to be provided inside panel door and body.
Panel Lock	Three point lock

8.3 AS-I Panel (5 Nos.)

Type	Wall Mount, access from front
Enclosures	SS-304, 500mm(H) x 500mm (W) x 300mm(D), Body thickness 2 mm and bottom plate 2 mm, Door thickness 2mm, Front access.
Cable entry	Bottom, (Removable bottom plate),Gland plate THK.: 2mm
Accessories	Panel light LED (Philips) , Panel fan & Filter(Jainson/Rexnord), door switch(Siemens),mounting accessories for mounting the panel components
Earthling	Earthling stud to be provided inside panel door and body.
Panel Lock	Two point lock

8.4 Instrument Cable specification.

Standard: BS EN 50288-7/IS 7098 / 1554-1

No of core: 3/6/12/24

Size in Sq mm: 0.75

Conductor: ABC

Voltage grade: 1100 V

Insulation: HLPE

Shielding: Aluminum Mylar tape with tinned copper drain wire (Class 5), RODANT PROOF, UNARMED.

8.5 Approvals

8.5.1 Network architecture.

8.5.2 Main PLC panel general equipment arrangement and panel wiring drawings.

8.5.3 SCADA system each type of equipment face plates.

8.5.4 SCADA screens.

8.5.5 Panels (Main PLC panel, RCP panel)

9.0 Bill of Materials

9.1 PLC / CPU Hardware					
Sr.No.	Part Number	Plant Automation	Make	Qty	Unit
1	490NAC0201	FO Single Mode HSBY link	Schneider	2	Nos
2	BMECRA31210	X80 Performance Ethernet Drop adapter, Ethernet Backplane	Schneider	8	Nos
3	BMEH586040	M580 CPU redundant Level 6 with remote and distributed I/O	Schneider	2	Nos
4	BMENOC0301	M580 I/O Scanner Module, Ethernet/IP & Modbus TCP, 3 ports	Schneider	6	Nos
5	BMEXBP0800	PLC 8 slots Ethernet backplane	Schneider	2	Nos
6	BMEXBP1200	PLC 12 slots Ethernet backplane	Schneider	8	Nos
7	BMXAMI0810	X80 Analog Input Module, High Speed, 8 channels, isolated	Schneider	16	Nos
8	BMXAMO0802	X80 Analog Output Module, 8 channels, non-isolated	Schneider	12	Nos
9	BMXCPS3500	X80 AC Power Supply Module, 100...240 V AC, 36W	Schneider	10	Nos
10	BMXDDI3202K	X80 Digital Input Module, 32 channels, 24 V DC, Positive (sink)	Schneider	16	Nos
11	BMXDDO3202K	X80 Digital Output Module, 32 channels, 24 V DC, Positive	Schneider	13	Nos
12	BMXFCW303	3 m pre-equipped cable with 1 connector and 2 free wires	Schneider	29	Nos
13	BMXFTB2020	20-way removable terminal block with spring type	Schneider	12	Nos
14	BMXFTB2820	28-way removable terminal block with spring type	Schneider	16	Nos
9.2 Programming software					
Sr.No.	Part Number	Part Description	Make	Qty	Unit
1	CEXSPUCZXSPAZZ	EcoStruxure Control Expert Extra Large software - Single-E license	Schneider	1	No
9.3 SCADA					
Sr.No.	Part Number	Part Description	Make	Qty	Unit
1	CT101199	AVEVA Plant SCADA Server - Unlimited Points	Schneider	2	Nos

2	CT102099	AVEVA Plant SCADA Control Client - Unlimited Points	Schneider	2	Nos
3	CT109924	CT Software key	Schneider	4	Nos
9.4 Ethernet Network					
Sr.No.	Part Description		Make	Qty	Unit
1	Managed Switch -16 port		Cisco /Schneider	1	Nos
2	Managed Switch -8 port		Cisco /Schneider	3	Nos
3	Ethernet Connector (industrial)		Phoenix	75	Nos
4	Ethernet Cable- 305 meter CAT6/ CAT 7		Lap/Dlink	5	Nos
9.5 ASI Accessories					
Sr.No.	Part Description		Make	Qty	Unit
1	Single Master ASI		P+F	5	Nos
2	ASI POWER SUPPLY (8 A)		P+F	5	Nos
3	ASI Bus Terminator		P+F	10	Nos
4	ASI cable end seal – 1 pack of 10		P+F	5	Nos
5	ASI Splitter		P+F	50	Nos
6	AS-Interface - flat connecting cable - rubber - yellow		Siemens	700	Mtr
9.6 Panels					
Sr.No.	Part Description		Make	Qty	Unit
1	PLC panel specification as per annexure 8.1 SPEC.			1	No
2	RCP- panel specification as per annexure 8.2 SPEC.			8	Nos
3	ASI panel – specification as per annexure 5.3 SPEC.			5	Nos
4	RTD to 4-20mA Converter (for field JB)		E&H/Radix	40	Nos
9.7 (Power & Control) Cable & Cable Tray Supply and Contracting Works					
Sr.No.	Part Description		Make	Qty	Unit
1	Multicore cable - 24 core x 0.75sqmm		LAPP/SBEE	2500	Mtr
2	Multicore cable - 12 core x 0.75sqmm		LAPP/SBEE	1800	Mtr
3	Multicore cable - 6 core x 0.75sqmm		LAPP/SBEE	800	Mtr
4	Multicore cable - 3 core x 0.75sqmm		LAPP/SBEE	500	Mtr
5	Earthing Cable - green-6 sq.mm		LAPP/SBEE	1000	Mtr
6	50 X 50 mm ,Wire mesh SS304 Tray		Suita	1	LOT

		ble		
7	100 X 50 mm ,Wire mesh SS304 Tray	Suitable	1	LOT
8	250 X 50 mm ,Wire mesh SS304 Tray	Suitable	1	LOT
9	500 X 50 mm ,Wire mesh SS304 Tray	Suitable	1	LOT
10	Power Cable - 2 Core X 1.5sq mm	LAPP/ SBEE	1000	Mtr
11	SS 304 Box Pipe for tray Support	Suitable	1	LOT
12	SS 304 Blind Flange for cable tray support	Suitable	1	LOT
13	Anchor Fasteners for cable tray support	Suitable	1	LOT
14	Cable Laying - 24 core x 0.75sqmm	Suitable	2500	Mtr
15	Cable Laying - 12 core x 0.75sqmm	Suitable	1800	Mtr
16	Cable laying - 6 core x 0.75sqmm	Suitable	800	Mtr
17	Cable laying - 3 core x 0.75sqmm	Suitable	500	Mtr
18	Cable laying - green-6 sq.mm	Suitable	1000	Mtr
19	laying of 50 X 50 mm ,Wire mesh SS304 Tray	Suitable	1	LOT
20	laying of 100 X 50 mm ,Wire mesh SS304 Tray	Suitable	1	LOT
21	laying of 250 X 50 mm ,Wire mesh SS304 Tray	Suitable	1	LOT
22	laying of 500 X 50 mm ,Wire mesh SS304 Tray	Suitable	1	LOT
23	laying of Power Cable - 2 Core X 1.5sq mm	Suitable	1000	Mtr
24	Fabrication of SS 304 Box Pipe for tray Support	Suitable	1	LOT
25	Installation of SS 304 Blind Flange for panel mount	Suitable	1	LOT
26	Installation of Anchor Fasteners for panel mount	Suitable	1	LOT
27	Cable Glanding	Suitable	1	LOT
28	CAT6/ CAT 7 Cable Laying	Suitable	1	LOT
29	Installation of Main PLC Panel	Suitable	1	No
30	Installation of RCP Panel	Suitable	8	Nos
31	Installation of ASI Panel	Suitable	5	Nos

9.8 RCP PANEL COMMON BOQ FOR EACH			
Sr no.	Descriptions	Make	Unit Qty
1	PANEL SPECIFICATION AS PER 8.2 SPEC.		
2	32A DP MCB 10kA, C Curve Main Incoming	Schneider	1
9.9 CPU/PLC Panel			

3	Power Terminals for Incoming 4 Sq.mm (Red + Black)	Elmex	2
4	Earthing Terminals for incoming, 4 Sq.mm	Elmex	1
5	6-32A DP MCB 10kA, C Curve	Schneider	6
6	6-32A SP MCB 10kA, C Curve	Schneider	4
7	Power Supply Unit 230V/24V DC,10A	Phoenix/Omron	2
8	Redundant module/Diode oring	Phoenix/Paramount	1
9	Slim Relay for DO, 24VDC 1C/O	Phoenix	AS PER DO
10	Power Utility Socket, DIN rail Mount, 250 V AC, 6 A	Phoenix	1
11	Panel Light LED, 230VAC	Philips/C&S	1
12	Door Limit Switch, 1NO+1NC	Siemens	1
13	6' Fan with Filter, 230VAC, IP54	Jainson/Rexnord	1
14	Double Decker LED Fused 4 Sq.mm Terminal For DI/DO/AI/AO	Elmex	A/R
15	Fused Terminal, 4 Sq.mm for Supply Dist.	Elmex	15
16	Double Decker LED Fused 4 Sq.mm Terminal for Field use	Elmex	5
17	Glass Fuse	SCHURTER	A/R
18	2.5 q.mm Terminal for Supply Dist.	Elmex	10
19	10X3 Cu. Tin-plated Earthing Strip for Shileld For Analog input and Analog output (1mtr Pcs)	Reputed	3
20	Support bracket - For Busbar	Reputed	9
21	0.5 Sqmm Flexi Cable,Uniplus For 24VDC/0VDC	Lapp	1 LOT
22	2x0.5 SqmmShielded Flexi Cable,Uniplus For AI/AO	Lapp/SBEE	1 LOT
23	0 .5Sqmm Flexi Cable,Uniplus For DO/DI	Lapp	LOT
24	Power Cable For 230VAC, 1.5 Sq.mm	Lapp	60

Sr.No	Descriptions	Make	Unit Qty
1	PANEL SPECIFICATION AS PER 8.1 SPEC.		
2	32A DP MCB 10kA, C Curve Main Incoming	Schneider	1
3	Power Terminals for Incoming 4 Sq.mm (Red + Black)	Elmex	2
4	Earthing Terminals for incoming, 4 Sq.mm	Elmex	1
5	6-32A DP MCB 10kA, C Curve	Schneider	6
6	6-32A SP MCB 10kA, C Curve	Schneider	4
7	Power Supply Unit 230V/24V DC,20A	Phoenix/omron	2
8	Redundant module/Diode oring	Phoenix/Paramount	1
9	Slim Relay for DO, 24VDC 1C/O	Phoenix	AS PER DO
10	Power Utility Socket, DIN rail Mount, 250 V AC, 6 A	Phoenix	1
11	Panel Light LED, 230VAC	Philips	1
12	Door Limit Switch, 1NO+1NC	Siemens	1
13	6' Fan with Filter, 230VAC, IP54	Jainson/Rexnord	1
18	2.5 q.mm Terminal for Supply Dist.	Elmex	50
19	10X3 Cu. Tin-plated Earthing Strip for Shield For Analog input and Analog output (1mtr Pcs)	Reputed	3
20	Support bracket - For Busbar	Reputed	9
21	Power Cable For 230VAC, 1.5 Sq.mm	Lapp	50

9.10 Software Development			
Sr.No	Part Description	Qty.	Unit
1	Development up to FAT - lot	1	LOT
2	Existing MIS Connectivity & Support – lot	1	LOT
3	Commissioning at site - days	1	LOT

9.11 Automaton loose Spares					
Sr.No.	Part Number	Plant Automation	Make	Qty	Unit
1	BMEXBP1200	PLC 12 slots Ethernet backplane	Schneider	1	Nos
2	BMXAMI0810	X80 Analog Input Module, High Speed, 8 channels, isolated	Schneider	2	Nos
3	BMXAMO0802	X80 Analog Output Module, 8 channels, non-isolated	Schneider	2	Nos
4	BMXDDI3202K	X80 Digital Input Module, 32 channels, 24 V DC, Positive (sink)	Schneider	2	Nos
5	BMXDDO3202K	X80 Digital Output Module, 32 channels, 24 V DC, Positive	Schneider	2	Nos

9.12 PC system				
Sr.No	Part Description	Make	Qty	Unit
1	PC with Latest Specification +OS+Anti+32" Monitor Intel Core - i7- 12th Gen 2 x 16 GB RAM 512GB SSD for OS 1 TB SATA hard disc Window 10 Professional OEM ON BOARD LAN PORT - 1 Nos. Extra Lan Card with 2 Nos Lan Ports USB Keyboard and Mouse DP to HDMI & DP to VGA Cable 3 Years onsite Warranty and Service Microsoft Office Home & Business 2019 OEM Antivirus 1 User for 3 Years Samsung Monitor 32" Monitor For Server (2Nos)+ES/OS+ OS	Dell/HP	4	Nos

Note:

- Even minutest deviation from required Technical Specification should be mentioned in the "Deviation Form". In case of failure of the same, entire Bid may be rejected.
- Make will be approved by Customer during detail engineering.

Annexure-05: Deviation Form

Name of Supplier:

Technical Deviations List:

-
-
-
-
-
-

Commercial Deviations List:

-
-
-
-
-

Note: In case of any other deviation not mentioned on this page, may lead to disqualifying of Bid.

Date:

Seal of Company &Signature of Authority

Annexure # 6

**FORM OF BANK GUARANTEES FOR PERFORMANCE SECURITY
AND ADVANCE PAYMENT**

(Form of bank guarantee for performance security)

(On the non-judicial stamp paper as per the stamp act of local state govt.)

Bank Guarantee no.

Date:

This deed of performance guarantee made this _____ day of 2022 (two thousand twenty by (name and address of the bank) (hereinafter referred to as the "Bank") which expression shall unless repugnant to the context and meaning thereof includes its legal representative, successors and assignees in favor of Banaskantha District Cooperative Milk Producers Union Limited, Palanpur (Gujarat) (hereinafter referred to as the "BANAS DAIRY") which expression shall unless repugnant to the context and meaning there of include its legal representative. successors and assignees

Whereas, BANAS DAIRY/ its clients has awarded a contract and/or purchase order bearing NO. _____ dated _____ on M/s. _____ (name and address of the party) (hereinafter referred to as the 'Vendor') for _____.

And whereas, The Vendor has agreed to submit a performance guarantee in the form of the Bank guarantee to the BANAS DAIRY as per the term and conditions of the Bidding Document and the contract which will be kept valid up to ____ calendar months from the date of Bank Guarantee (the period of warranty period).And whereas, the Bank and its duty constituted agent and officer has already read and understood the contract made between the BANAS DAIRY and the Vendor.

In consideration of the BANAS DAIRY having agreed to award the contract/purchase order on the Vendor, we _____(name of the Bank), do hereby guarantee, undertake, promise and agree to with the BANAS DAIRY, its legal representative, successors and assignees that the BANAS DAIRY, its legal representatives, successors and assignees that the within named(name of the Vendor) their legal representatives and assignees will faithfully perform and fulfil everything within the Bidding Document and the contract/purchase order on their part to be performed or fulfilled at the time (time being the essence of the contract)and in the manner therein provided, do all obligations there under and we further undertake and guarantee to make payment to the BANAS DAIRY of Rs. _____(Rupees _____only) being the 10% of the contract value, without any demur perform and fulfil everything within the bidding document and the contract/purchase order on their part to by performed or fulfilled, at the time and the manner therein provided and do not wilfully and promptly do all obligations there under.

In case, the Vendor fails to perform or fulfil the contract/purchase order as per the terms and conditions agreed upon, the BANAS DAIRY is entitled to demand an amount equal to 10% of the contract value from the Vendor and the demand made by the BANAS DAIRY by itself will be conclusive evidence and proof that the Vendor has failed to perform or fulfil his obligations and neither the Vendor nor the Bank will be entitled to raise any dispute regarding the reasons for the failure of performance or fulfilment, on any ground.

We, (name of the Bank), do hereby undertake to pay an amount equal to 10% of the order value, being the amount due and payable under this guarantee without any demur, merely on a demand from the BANAS DAIRY which has to be served on us before the expiry, date of Bank Guarantee i.e., _____ stating that the amount claimed is due by way of non-performance of the contractual obligation as aforesaid commitments/purchase order, any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees _____ only) being the amount equal to 10% of the total order value.

We, (name of the Bank), further ,agree that the performance guarantee herein contained shall remain in full force and effect for a period _____ calendar months from the date of Bank guarantee (the period should be till end of warranty period) and till the BANAS DAIRY certifies that the and conditions of the said contract/ purchase order have been fully and properly carried out by the said Vendor and accordingly discharge the guarantee, unless a demand or claim under this guarantee is made on us in writing by the BANAS DAIRY on or before _____, we shall be discharged from all under this performance guarantee thereafter. The liability of the bank shall not be impaired or/and discharged by any extension of the time of variation or alteration made, given or agreed with or without Banks' knowledge or consent by or between the parties involved and will remain valid till the terms and conditions are duly satisfied

We,(name of the bank),further, agree with the BANAS DAIRY that the BANAS DAIRY shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said bidding document and the contract/purchase order or to extend the time of performance by the said Vendor from time to time or postpone for any time or from time to time and any of the power exercisable by the BANAS DAIRY against the Vendor and to forebear or enforce any of the terms and conditions relating to the said bidding document and the contract/purchase order and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Vendor, or for any

forbearance, act or omission on the part of the BANAS DAIRY to the said Vendor by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

This guarantee shall be in addition to and without prejudice to any other securities or remedies which the BANAS DAIRY may have or hereafter possess in respect of the goods supplied or intended to be Vendor and the BANAS DAIRY shall by under no obligation to marshal in favour of the bank any such securities or funds or asset that the BANAS DAIRY may be entitled to receiving or have a claim upon and the BANAS DAIRY at its absolute discretion may vary, exchange, renew, modify or refuse to complete to enforce or assign any security or instrument.

The bank agrees that the amount hereby guaranteed shall be due and payable the BANAS DAIRY on serving us with a notice before expiry of guarantee, requiring the payment of the amount and such notice shall be deemed to have been served on the Bank either by actual delivery thereof to the Bank by Registered post at the address of the Bank.

In order to give full effort to the provisions of this guarantee the Bank hereby waives all rights inconsistent with the above provisions and which the Bank might otherwise as a guarantor be entitled to claim and enforce.

We, _____, undertake to renew the Bank Guarantee provided the request for renewal is made by the Vendor before the expiry of Bank Guarantee.

We, _____, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the BANAS DAIRY in writing and guarantee shall be a continuous and irrevocable guarantee up to a sum of the Rs. _____ (Rupees _____ only).

Notwithstanding anything stated hereinbefore : (i) our liability under this guarantee is restricted to Rs. _____. (ii) the guarantee shall remain in force till _____20____ and (iii) The Bank is liable to a pay the guarantee amount or any part thereof under this bank guarantee only if the BANAS DAIRY serves upon if the BANAS DAIRY serves upon the Bank a written claim or demand on or before _____.

Place:

Date:

(SIGNATURE)

SEAL

CODE NO:

NOTE:

1. VENDORS SHOULD ENSURE THAT SEAL AND CODE NO. OF THE SIGNATORY IS PUT BY THE BANKERS, BEFORE SUBMISSION OF THE BANK GUARANTEES.
2. STAMP PAPER IS NOT REQUIRED IN CASE OF FOREIGN VENDORS.
3. THE VALUE OF STAMP DUTY SHOULD BE AS THE LATEST STAMP ACT OF LOCAL STATE GOVERNMENT FROM WHERE THE BANK GUARANTEE ISSUED.

(Form of bank guarantee against advance payment)

(On the non-judicial stamp paper as per the stamp Act of local state govt.)

Bank Guarantee no. Date:

In consideration of the Banaskantha District Co-Operative Milk Producers' Union Ltd. (hereinafter referred to as the "Banasa Dairy") (which expression shall unless repugnant to the context or meaning thereof include its successor, administrator, representatives and assignees) having agreed to grant an advance payment of Rs. _____ (Rupees _____) to M/s _____ (hereinafter called the "Vendor" (which expression shall unless repugnant to the context or meaning thereof include its successor, administrator, representatives and assignees) under the terms and conditions of a contract/purchase order No. _____ dated / /20 made between the BANASA DAIRY and _____ for _____ (hereinafter called the contract/purchase order) at (Location, City and State) on production of a bank guarantee for Rs. _____ (Rupees _____ only) to indemnify against any loss / damage caused to or suffered, would be caused or suffered by the BANASA DAIRY in the event of any breach, by the "Vendor", of the terms and conditions of the aforesaid contract/purchase order .

1. We, (name of the Bank) hereinafter called the "Bank" (which expression shall unless repugnant to the context or meaning thereof include its successor, administrator, representatives and assignees) having registered office at (Address and Location of the Bank) and branch office at (Address and Location) do hereby irrevocably undertake to pay any and all monies payable by the Vendor towards the advance or part there of paid by the Banasa Dairy under this guarantee without any protest or demur and without recourse to the Vendor merely on a demand from the BANASA DAIRY which has to be served on us before the expiry date of bank guarantee i.e. DD/MM/YYYY stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the BANASA DAIRY by reasons of breach by the said Vendor of any of the terms and conditions contained in the said contract/purchase order. or by reasons of the Vendor's failure to perform the said contract/purchase order., any such demand made on the bank shall be conclusive and binding, absolute and unequivocal as regards the amount due and payable by the Bank under this guarantee notwithstanding any difference between the Vendor and Banasa Dairy raised/pending before any arbitrator, tribunal, court or any authority. The amount due and payable by the bank under this guarantee shall

be restricted to an amount not exceeding Rs. _____ (Rupees _____)

2. We the Bank, further agrees that the guarantee here in contained shall remain in full force and effect during the period that would be taken for the performance of the terms and conditions of the said contract/purchase order and that it shall continue to be enforceable till the advance paid by Banas Dairy under, or by virtue of the said contract/purchase order have been fully adjusted and it's claims satisfied or discharged or till Banas Dairy certifies that the terms and conditions of the said contract /purchase order have been fully complied with and its claims satisfied or discharged and accordingly discharge the guarantee unless a demand or claim under this guarantee made on us in writing on or before expiry of the _____ month(s) from DD/MM/YYYY, the order completion date we shall be discharged from all liabilities under this guarantee thereafter.

3. We the Bank further agrees with the BANAS DAIRY that the BANAS DAIRY shall have the fullest liberty, without our consent and without affecting in any manner our obligation hereunder, to vary any of the terms and conditions of the said contract/purchase order to extend time of performance by the said Vendor from time to time or to postpone for any time or from time to time any of the power exercisable by the BANAS DAIRY against the said Vendor and to forbear or enforce any of the terms and conditions relating to the said contract/purchase order and we shall not be relieved from our liability by reason of any such variation, or extension or for any forbearance, act of omission on the part of the BANAS DAIRY or any indulgence by the BANAS DAIRY to the said Vendor or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

4. We the Bank agrees that the amount hereby guaranteed shall be due and payable to the BANAS DAIRY on serving us with a notice before expiry of Bank Guarantee requiring the payment of the amount and such notice shall be deemed to have been served either by actual delivery thereof to the Bank or by dispatch thereof to the Bank by registered post at address of the Bank.

5. We the Bank lastly undertake not to revoke this guarantee during its currency except with the prior consent of the BANAS DAIRY in writing.

6. We, the Bank undertake to renew the Bank Guarantee provided the request for renewal is made by the Vendor before the expiry of Bank Guarantee.

7. The guarantee shall not be discharged due to the change in the constitution of the Bank or the Vendor.

8. Notwithstanding anything stated hereinbefore

(i) our liability under this bank guarantee is restricted to Rs. _____
(Rupees _____)

(ii) The guarantee shall remain in force till the expiry of _____ month(s)
from the order completion date of DD/MM/YYYY and

(iii) The bank is liable to pay the guarantee amount or any part thereof under this
bank guarantee only if the BANAS DAIRY serves upon the bank a written claim
or demand on or before DD/MM/YYYY _____

Place:

Date: (SIGNATURE) SEAL

Code NO

NOTE:

1. VENDORS SHOULD ENSURE THAT SEAL AND CODE NO. OF THE SIGNATORY IS PUT BY THE BANKERS, BEFORE SUBMISSION OF THE BANK GUARANTEES.
2. STAMP PAPER IS NOT REQUIRED IN CASE OF FOREIGN VENDORS.
3. THE VALUE OF STAMP DUTY SHOULD BE AS PER THE LATEST STAMP ACT OF LOCAL STATE GOVERNMENT FROM WHERE THE BANK GUARANTEE HAS BEEN ISSUED.

Annexure-07: Vendor Registration Form (Data on Firm)



Banaskantha District Cooperative Milk Producers' Union Ltd.,

Banas Dairy, Post Box No. 20, Palanpur: 385 001, Phone: 253881 to 253885

Fax : 02742-252723, e-mail :jitendra@banasdairy.coop, web www.banasdairy.coop

Please mark all such columns as NOT APPLICABLE where you cannot provide information.

ADDRESS	
Name of the Vendor *Mandatory (This shall be the registered name of the firm. With the same name payments to party will be released) (CAPITAL LETTERS)	
Address of Head Office *Mandatory	
Street-1	
Street - 2	
City	
District Name	
State	
Pin Code	
Telephone (1) LL : (2) Mob : STD Code:	
Telephone (2) Mob :	
Fax	

Email-id	
Company Web Site (if any)	
Name and Designation of Contact Person(s)	

Note: - If HO Office /Branch Office / Factory having in different state please give Bank details / Tax Details in separate sheet.

Address of Branch (If any)	
Street – 1	
Street – 2	
City	
State	
Pin Code	
ORGANIZATION DETAILS	
Status of Organization	
Tick (√) appropriate option.	Proprietary / Partnership / Company / LLP
Name of Business	
Nature of Enterprise Investment in Plant & Machinery: * Mandatory if applicable and pl. Mention the MSMED Registration No. Date and Category micro, small, Medium IF NOT, PLEASE MENTION N/A If you are under MICRO, SMALL & MEDIUM ENTERPRISES DEVELOPMENT (MSMED) ACT 2006. MSMED Registration Certificate is Required	
Year of Establishment	

Registration Number (as per certificate from ROC/ Registrar of Firms.										
Name & Address of the Owner / Partners / Directors	<table border="1"> <thead> <tr> <th>Sr.No.</th> <th>Name</th> <th>Designation</th> <th>Address</th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center;">(Attach separate Sheet if Required)</td> </tr> </tbody> </table>	Sr.No.	Name	Designation	Address	(Attach separate Sheet if Required)				
Sr.No.	Name	Designation	Address							
(Attach separate Sheet if Required)										
BANK DETAILS * Mandatory										
Bank Account No.										
Name of the Bank										
Bank Address										
Bank City										
Bank Branch										
IFSC RTGS / NEFT No.										
Branch Code										
EXCISE DETAILS										
Excise Registration No.										
Excise Range										
Excise Division										
Excise Commissionerate										
CST No.										
GST /ARN number										
Vat(TIN)										
PAN										
Service Tax Registration No										

Service Category		
Service Tax Commissionerate		
Service Tax Commissionerate range		
Work Contract Tax Registration No.		
SERVICE DETAILS OF ORGANISATION		
Describe firm's major field(s) of Operation/Product range.		
Installed Capacity		
Average Monthly Production		
Sources of major Raw Materials		
Value of average raw materials inventory maintained		
Is Sub Vendor approval carried out by you for your vendors?		
Make/Type / Value of machines used. Please attach details.		
Manufacturing facilities available at work place. (Please attach details)		
Do you have separate Inspection Cell? Inspection & Testing facilities available at work. (Please attach details)		
Quality Control is responsible to whom?		
Description of the material to be Supplied		

Description of the Service to be Provided	
HSN	
Service A/C Code	
Telephone	
Fax	
Email-id	
Name & Designation of Contact Person(s)	
Address of Factory / Factories / Subsidiaries / Sister Concerns (If any)	
Street	
City	
State	
Pin Code	
Telephone	
Fax	
Email-id	
Name & Designation of Contact Person	

Please use separate sheets if required

DECLARATION

The above information is true in all respects and we undertake to inform you about any change in the above particulars regarding our business from time to time. We also undertake the responsibility that in no case we will employ any consultant to deal with BKDCMPU Ltd., Palanpur

Mandatory fields are marked with an asterisk (*)

Note : The vendor creation will be made based on the information furnished by you in the above form for vendor registration. If, at any time in future, it comes to the knowledge of the management that any of this information is incorrect or any relevant information has been withheld then you are liable to be **black listed** without any notice in lieu thereof.

As a part of vendor registration, the copy of following **supporting documents** must be required and all details (whatever applicable) to be filled in the vendor registration form.

- 1) PAN Card
- 2) Demand Draft against Tender Fees Non Refundable
- 3) Excise Registration Certificate
- 4) Partnership Deed/Trade License
- 5) CST & VAT & GST Registration
- 6) Cancelled Cheque
- 7) Service Tax Registration certificate
- 8) List of Directors/Partners on company's Letter Head.
- 9) Registration Certificate from ROC (in case of Companies)

Date : _____

Place : _____

Name & Signature of Proprietor/Partner/

Chief Executive under Proper Seal

For Office Use Only

Concerned Dept. Head

O.S.D. (Comm.)

Vendor Registration No. _____ Date : _____

Sr.No.	Part Number	Plant Automation	Make	Qty	Unit	Supply Unit Rate	Supply GST	Supply Total Rate	Supply Total GST	I&C Unit Rate	I&C GST	Toal I&C Rate	Total I&C GST	Landed Price in Rs. for Supply & I&C (Inclusive of All P&F, Insurance, Transportation, any other charges if any, GST) FOR Banas Dairy
						(IN INR)	(IN INR)	(IN INR)	(IN INR)	(IN INR)	(IN INR)	(IN INR)	(IN INR)	(IN INR)
4	BMXDDI3202K	X80 Digital Input Module, 32 channels, 24 V DC, Positive (sink)	Schneider	2	Nos									
5	BMXDDO3202K	X80 Digital Output Module, 32 channels, 24 V DC, Positive	Schneider	2	Nos									

9.12 PC system																
1	-	PC with Latest Specification +OS+Anti+32" Monitor	Dell/HP	4	Nos											
	-	Intel Core - i7- 12th Gen														
	-	2 x 16 GB RAM														
	-	512GB SSD for OS														
	-	1 TB SATA hard disc														
	-	Window 10 Professional OEM														
	-	ON BOARD LAN PORT - 1 Nos.														
	-	Extra Lan Card with 2 Nos Lan Ports														
	-	USB Keyboard and Mouse														
	-	DP to HDMI & DP to VGA Cable														
	-	3 Years onsite Warranty and Service														
	-	Microsoft Office Home & Business 2019 OEM														
	-	Antivirus 1 User for 3 Years														
	-	Samsung Monitor 32" Monitor														
-	For Server (2Nos)+ES/OS+ OS															
9.14	-	Documentation														
9.13	-	Service Cover														
TOTAL Part-1 - DESIGN, ENGINEERING, MANUFACTURE, SUPPLY																
TOTAL Part-2 - LABOUR CHARGES AND CONSUMABLES FOR INSTALLTION, TESTING & COMMISSIONING WITH REQUIRED ANCILLARIES AND ACCESSORIES.																
TOTAL PART-1&2																
12.0		Service Cover		1	JOB											
TOTAL PART - 3																
GRAND TOTAL (PART-1+2+3)																
BID PRICE IN WORDS																

Note:-
We agree to Supply the above items at a contract price quoted against each item within the period specified in the tender document. We also confirm that all comprehensive warranty/ guarantee period applicable shall be as per mentioned in Technical Specification for all items.

Signature of Bidder:
Supplier Name :
Business Address:
Contact Person Name
Mobile No
Email Id
Place:
Date